

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057797.D
 Acq On : 9 Sep 2019 13:14
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 09 16:27:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	104	0.00
2 M	Dichlorodifluoromethane	1.813	1.859	-2.5	109	0.00
3 M	Chloromethane	2.260	2.347	-3.8	109	0.00
4 M	Vinyl Chloride	2.312	2.449	-5.9	109	0.00
5 M	Bromomethane	1.443	1.515	-5.0	105	0.00
6 M	Chloroethane	1.437	1.482	-3.1	105	0.00
7 M	Trichlorofluoromethane	2.672	2.758	-3.2	95	0.00
8 T	Diethyl Ether	1.078	1.131	-4.9	111	0.00
9	1,1,2-Trichlorotrifluoroeth	1.668	1.731	-3.8	109	0.00
10 M	1,1-Dichloroethene	1.586	1.613	-1.7	109	0.00
11	Methyl Iodide	2.122	2.147	-1.2	109	0.00
12	Methyl Acetate	2.177	2.262	-3.9	108	0.00
13 M	Acrolein	0.118	0.108	8.5	106	0.00
14 M	Acrylonitrile	0.887	0.920	-3.7	109	0.00
15 M	Acetone	0.252	0.243	3.6	94	0.00
16 M	Carbon Disulfide	3.694	3.630	1.7	110	0.00
17	Allyl chloride	2.907	2.969	-2.1	112	0.00
18 M	Methylene Chloride	1.999	2.057	-2.9	110	0.00
19 M	trans-1,2-Dichloroethene	1.768	1.801	-1.9	109	0.00
20 T	Diisopropyl ether	6.796	6.940	-2.1	110	0.00
21 M	1,1-Dichloroethane	3.747	3.845	-2.6	108	0.00
22 M	cis-1,2-Dichloroethene	2.166	2.182	-0.7	107	0.00
23 M	tert-Butyl Alcohol	0.290	0.317	-9.3	112	0.00
24 M	Methyl tert-Butyl Ether	6.080	6.259	-2.9	109	0.00
25 M	Chloroform	3.815	3.854	-1.0	108	0.00
26	Cyclohexane	3.148	3.097	1.6	106	0.00
27 s	1,2-Dichloroethane-d4	2.654	2.705	-1.9	101	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
29	1,1-Dichloropropene	0.472	0.470	0.4	108	0.00
30 M	2-Butanone	0.213	0.213	0.0	105	0.00
31	2,2-Dichloropropane	0.498	0.475	4.6	107	0.00
32 M	1,1,1-Trichloroethane	0.531	0.516	2.8	105	0.00
33 M	Carbon Tetrachloride	0.433	0.403	6.9	105	0.00
34 M	Benzene	1.398	1.405	-0.5	108	0.00
35	Methacrylonitrile	0.197	0.212	-7.6	126	0.00
36 M	1,2-Dichloroethane	0.543	0.540	0.6	107	0.00
37 M	Trichloroethene	0.340	0.336	1.2	107	0.00
38	Methylcyclohexane	0.537	0.511	4.8	105	0.00
39 M	1,2-Dichloropropane	0.393	0.390	0.8	108	0.00
40	Dibromomethane	0.239	0.238	0.4	107	0.00
41 M	Bromodichloromethane	0.482	0.462	4.1	108	0.00
42 M	Vinyl Acetate	0.855	0.910	-6.4	108	0.00
43	Ethyl Acetate	0.434	0.442	-1.8	107	0.00
44	Isopropyl Acetate	0.757	0.741	2.1	109	0.00
45 T	1,4-Dioxane	0.006	0.006#	0.0	115	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.370	0.360	2.7	109	0.00
47	n-amyl Acetate	0.695	0.667	4.0	110	0.00
48 M	t-1,3-Dichloropropene	0.513	0.476	7.2	109	0.00
49 T	cis-1,3-Dichloropropene	0.575	0.541	5.9	108	0.00
50 M	1,1,2-Trichloroethane	0.346	0.340	1.7	106	0.00
51	Ethyl methacrylate	0.537	0.533	0.7	112	0.00
52	1,3-Dichloropropane	0.606	0.606	0.0	108	0.00
53 M	Dibromochloromethane	0.342	0.308	9.9	108	0.00
54 M	1,2-Dibromoethane	0.345	0.333	3.5	107	0.00
55 M	2-Chloroethyl vinyl ether	0.255	0.255	0.0	104	0.00
56 M	Bromoform	0.212	0.182	14.2	107	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	0.465	0.513	-10.3	110	0.00
59 M	2-Hexanone	0.349	0.369	-5.7	110	0.00
60 S	4-Bromofluorobenzene	0.513	0.500	2.5	104	0.00
61 M	Tetrachloroethene	0.305	0.308	-1.0	109	0.00
62 M	Toluene	1.661	1.703	-2.5	108	0.00
63 S	Toluene-d8	1.440	1.450	-0.7	102	0.00
64 M	Chlorobenzene	1.030	1.042	-1.2	109	0.00
65	1,1,1,2-Tetrachloroethane	0.358	0.354	1.1	112	0.00
66 M	Ethyl Benzene	1.813	1.872	-3.3	108	0.00
67 M	m/p-Xylenes	0.692	0.690	0.3	109	0.00
68 M	o-Xylene	0.678	0.677	0.1	111	0.00
69 M	Styrene	1.156	1.150	0.5	111	0.00
70	Isopropylbenzene	1.792	1.843	-2.8	107	0.00
71 M	1,1,2,2-Tetrachloroethane	0.560	0.564	-0.7	110	0.00
72	1,2,3-Trichloropropane	0.497	0.499	-0.4	111	0.00
73	Bromobenzene	0.429	0.413	3.7	110	0.00
74	n-propylbenzene	2.048	2.149	-4.9	108	0.00
75	2-Chlorotoluene	1.275	1.263	0.9	109	0.00
76	1,3,5-Trimethylbenzene	1.526	1.536	-0.7	108	0.00
77	t-1,4-Dichloro-2-butene	0.147	0.123	16.3	111	0.00
78	4-Chlorotoluene	1.301	1.271	2.3	110	0.00
79	tert-butylbenzene	1.331	1.340	-0.7	109	0.00
80	1,2,4-Trimethylbenzene	1.521	1.541	-1.3	108	0.00
81	sec-Butylbenzene	1.766	1.787	-1.2	109	0.00
82	p-Isopropyltoluene	1.582	1.582	0.0	107	0.00
83 M	1,3-Dichlorobenzene	0.798	0.758	5.0	107	0.00
84 M	1,4-Dichlorobenzene	0.785	0.763	2.8	112	0.00
85	n-Butylbenzene	1.474	1.445	2.0	106	0.00
86 T	Hexachloroethane	0.252	0.216	14.3	107	0.00
87 M	1,2-Dichlorobenzene	0.774	0.764	1.3	112	0.00
88	1,2-Dibromo-3-Chloropropane	0.099	0.091	8.1	109	0.00
89	1,2,4-Trichlorobenzene	0.473	0.458	3.2	114	0.00
90	Hexachlorobutadiene	0.217	0.204	6.0	104	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.301	1.320	-1.5	115	0.00
92	1,2,3-Trichlorobenzene	0.451	0.447	0.9	114	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0